

INHIBITORY IMMUNOGLOBULIN POLYPEPTIDES
TO HUMAN PDGF BETA RECEPTOR

ABSTRACT OF THE DISCLOSURE

5 The present invention is directed towards
immunoglobulin polypeptides that specifically bind to the
extracellular domain of the human type beta PDGF receptor. The
binding of the immunoglobulin polypeptides to the receptor
inhibits PDGF-induced (or stimulated) receptor activation as
10 indicated by inhibition of receptor phosphorylation and
dimerization, and by inhibition of PDGF-mediated mitogenesis,
chemotaxis and migration of cells displaying the human PDGF
type beta receptor on the cell surface. Nucleic acids encoding
the immunoglobulin polypeptides are also included in the
15 invention. The immunoglobulin polypeptides have diagnostic and
therapeutic uses.

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